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### AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph at page 8, lines 22-30 and replace it with the following replacement paragraph:

In an embodiment of the present invention, the porous material is selected from a group of materials comprising a pore size preferably in the range of [10-30.000] 10-30,000  $\mu\text{m}$ , such as in the range of [10-20.000] 10-20,000  $\mu\text{m}$ , for instance in the range of [10-10.000] 10-10,000  $\mu\text{m}$ , for instance in the range of 10-1000  $\mu\text{m}$ , such as in the range of 10-500  $\mu\text{m}$ , such as in the range of 10-100  $\mu\text{m}$ , for instance in the range of 10-75  $\mu\text{m}$ , such as in the range of 10-50  $\mu\text{m}$ , for instance in the range of 50-200  $\mu\text{m}$ , such as the range of 50-100  $\mu\text{m}$ , for instance in the range of 100-500  $\mu\text{m}$ , such as the range of 50-300  $\mu\text{m}$ , for instance in the range of 75-300  $\mu\text{m}$ , such as the range of 75-200  $\mu\text{m}$ , for instance in the range of 75-150  $\mu\text{m}$ , such as the range of 75-120  $\mu\text{m}$ .

Please delete the paragraph at page 26, lines 32-35 and replace it with the following replacement paragraph:

### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 shows the level of progesterone during the cow reproduction cycle. The solid line symbolises the level of progesterone in successfully inseminated cows, and the dashed line symbolizes the unsuccessfully inseminated cows.